

3.2 Vertebrate Species of Greatest Conservation Need by Ecological Landscape

This section is divided into two subsections designed to provide readers with information about the Species of Greatest Conservation Need from an Ecological Landscape perspective. First is a listing of all the Species of Greatest Conservation Need with a high, moderate, or low degree of probability of occurring in each Ecological Landscape. Following this is a listing of the ecological priorities *within* each Ecological Landscape.

3.2.1 Vertebrate Species of Greatest Conservation Need occurring in each Ecological Landscape

As was described in 3.1, the Species of Greatest Conservation Need have different probabilities of occurring in different parts of the state. This section of the document presents the vertebrate Species of Greatest Conservation Need occurring within each Ecological Landscape and categorizes them as to whether there is a high, moderate, or low degree of probability of their occurrence.

The following table summarizes the distribution of Species of Greatest Conservation Need by Ecological Landscape:

Table 3-6. Summary of Species of Greatest Conservation Need by Ecological Landscape

Ecological Landscapes	<i>Number of Species of Greatest Conservation Need with a:</i>			Total number of Species of Greatest Conservation Need in this Ecological Landscape
	High Degree of Probability of Occurring in this Ecological Landscape	Moderate Degree of Probability of Occurring in this Ecological Landscape	Low Degree of Probability of Occurring in this Ecological Landscape	
Superior Coastal Plain (Page 3-304)	43	16	18	77
Northwest Lowlands (Page 3-305)	26	19	27	72
Northwest Sands (Page 3-306)	42	24	20	86
North Central Forest (Page 3-307)	36	15	29	80
Northern Highland (Page 3-308)	32	17	24	73
Forest Transition (Page 3-309)	32	34	18	84
Northeast Sands (Page 3-310)	22	15	34	71
Northern Lake Michigan Coastal (Page 3-311)	50	30	8	88
Central Lake Michigan Coastal (Page 3-313)	34	41	15	90
Western Prairie (Page 3-314)	27	31	29	87
Western Coulee and Ridges (Page 3-315)	60	19	26	105
Southwest Savanna (Page 3-317)	22	20	24	66
Central Sand Plains (Page 3-318)	42	35	18	95
Central Sand Hills (Page 3-320)	42	26	23	91
Southeast Glacial Plain (Page 3-321)	62	28	14	104
Southern Lake Michigan Coastal (Page 3-323)	23	23	29	75

Starting on the following page are the lists of Species of Greatest Conservation Need within each Ecological Landscape. As with the previous sections, the Ecological Landscapes are organized starting in the northwest part of the state and working southeast; first north of the tension zone, then south.

Table. 3-7. Vertebrate Species of Greatest Conservation Need occurring in the Superior Coastal Plain

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Gray Wolf	Moose	
	Northern Flying Squirrel	Silver-haired Bat	
	Woodland Jumping Mouse	Eastern Red Bat	
	Water Shrew	Hoary Bat	
	Franklin's Ground Squirrel	American Marten	
		Northern Long-eared Bat	
Birds	Horned Grebe	Canvasback	American Black Duck
	American Bittern	Sharp-tailed Grouse	Osprey
	Trumpeter Swan	Yellow Rail	Red-shouldered Hawk
	Blue-winged Teal	Solitary Sandpiper	Caspian Tern
	Lesser Scaup	Hudsonian Godwit	Yellow-billed Cuckoo
	Bald Eagle	Black-backed Woodpecker	Whip-poor-will
	Northern Harrier	Olive-sided Flycatcher	Red-headed Woodpecker
	Peregrine Falcon	Rusty Blackbird	Willow Flycatcher
	American Golden Plover	Red Crossbill	Loggerhead Shrike
	Piping Plover		Connecticut Warbler
	Upland Sandpiper		Dickcissel
	Whimbrel		Field Sparrow
	Marbled Godwit		Vesper Sparrow
	Dunlin		Grasshopper Sparrow
	Buff-breasted Sandpiper		Henslow's Sparrow
	Short-billed Dowitcher		Western Meadowlark
	American Woodcock		
	Common Tern		
	Black Tern		
	Black-billed Cuckoo		
	Least Flycatcher		
	Veery		
	Wood Thrush		
	Brown Thrasher		
	Golden-winged Warbler		
	Black-throated Blue Warbler		
	Canada Warbler		
	Le Conte's Sparrow		
	Bobolink		
	Eastern Meadowlark		
Herptiles	Wood Turtle		Blanding's Turtle
	Four-toed Salamander		
	Mudpuppy		
	Boreal Chorus Frog		
	Mink Frog		
Fishes	Lake Sturgeon	Pickerel Frog	American Eel
	Kiwi		
	Shortjaw Cisco		

Table. 3-8. Vertebrate Species of Greatest Conservation Need occurring in the Northwest Lowlands

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Gray Wolf	Moose	Franklin's Ground Squirrel
	Northern Flying Squirrel	Silver-haired Bat	
	Woodland Jumping Mouse	Eastern Red Bat	
	Water Shrew	Hoary Bat	
		American Marten	
		Northern Long-eared Bat	
Birds	American Bittern	Blue-winged Teal	Horned Grebe
	Northern Harrier	Osprey	Trumpeter Swan
	American Woodcock	Northern Goshawk	Canvasback
	Black-billed Cuckoo	Solitary Sandpiper	Lesser Scaup
	Black-backed Woodpecker	Black Tern	Bald Eagle
	Olive-sided Flycatcher	Boreal Chickadee	Red-shouldered Hawk
	Least Flycatcher	Wood Thrush	Spruce Grouse
	Veery	Bobolink	American Golden Plover
	Brown Thrasher	Rusty Blackbird	Whimbrel
	Golden-winged Warbler	Red Crossbill	Hudsonian Godwit
	Louisiana Waterthrush		Marbled Godwit
	Connecticut Warbler		Dunlin
	Canada Warbler		Short-billed Dowitcher
	Le Conte's Sparrow		Yellow-billed Cuckoo
			Whip-poor-will
			Willow Flycatcher
			Blue-winged Warbler
			Black-throated Blue Warbler
			Field Sparrow
			Vesper Sparrow
			Grasshopper Sparrow
			Henslow's Sparrow
			Nelson's Sharp-tailed Sparrow
			Eastern Meadowlark
			Western Meadowlark
Herptiles	Wood Turtle	Mudpuppy	Blanding's Turtle
	Four-toed Salamander	Pickereel Frog	
	Boreal Chorus Frog		
	Mink Frog		
Fishes	Lake Sturgeon	Longear Sunfish	
	River Redhorse		
	Greater Redhorse		
	Gilt Darter		

Table. 3-9. Vertebrate Species of Greatest Conservation Need occurring in the Northwest Sands

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Gray Wolf	Woodland Jumping Mouse	Moose
	Northern Flying Squirrel		Silver-haired Bat
	Water Shrew		Eastern Red Bat
	Franklin's Ground Squirrel		Hoary Bat
			Northern Long-eared Bat
			White-tailed Jackrabbit
			Prairie Vole
Birds	American Bittern	Red-necked Grebe	Horned Grebe
	Trumpeter Swan	Canvasback	American Black Duck
	Blue-winged Teal	Northern Goshawk	Spruce Grouse
	Lesser Scaup	Red-shouldered Hawk	Whimbrel
	Osprey	American Golden Plover	Yellow-billed Cuckoo
	Bald Eagle	Solitary Sandpiper	Willow Flycatcher
	Northern Harrier	Hudsonian Godwit	Boreal Chickadee
	Sharp-tailed Grouse	Marbled Godwit	Loggerhead Shrike
	Yellow Rail	Dunlin	Black-throated Blue Warbler
	Upland Sandpiper	Wilson's Phalarope	Kirtland's Warbler
	Short-billed Dowitcher	Olive-sided Flycatcher	Dickcissel
	American Woodcock	Wood Thrush	Henslow's Sparrow
	Black Tern	Blue-winged Warbler	Western Meadowlark
	Black-billed Cuckoo	Canada Warbler	
	Whip-poor-will	Grasshopper Sparrow	
	Red-headed Woodpecker	Eastern Meadowlark	
	Black-backed Woodpecker	Rusty Blackbird	
	Least Flycatcher		
	Veery		
	Brown Thrasher		
	Golden-winged Warbler		
	Connecticut Warbler		
	Field Sparrow		
	Vesper Sparrow		
	Le Conte's Sparrow		
	Nelson's Sharp-tailed Sparrow		
	Bobolink		
	Red Crossbill		
Herptiles	Wood Turtle	Four-toed Salamander	
	Boreal Chorus Frog	Mink Frog	
	Blanding's Turtle	Mudpuppy	
	Northern Prairie Skink	Pickerel Frog	
	Bullsnake		
Fishes	River Redhorse	Lake Sturgeon	
	Greater Redhorse	Gilt Darter	
	Least Darter		
	Banded Killifish		
	Pugnose Shiner		

Table 3-10. Vertebrate Species of Greatest Conservation Need occurring in the North Central Forest

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Gray Wolf	Moose	
	Northern Flying Squirrel	Eastern Red Bat	
	Water Shrew	Northern Long-eared Bat	
	Woodland Jumping Mouse		
	Silver-haired Bat		
	Hoary Bat		
	American Marten		
Birds	American Bittern	Canvasback	Horned Grebe
	Trumpeter Swan	Sharp-tailed Grouse	American Black Duck
	Lesser Scaup	Solitary Sandpiper	Blue-winged Teal
	Osprey	Black Tern	American Golden Plover
	Bald Eagle	Brown Thrasher	Upland Sandpiper
	Northern Harrier	Cerulean Warbler	Whimbrel
	Northern Goshawk	Connecticut Warbler	Hudsonian Godwit
	Red-shouldered Hawk	Bobolink	Marbled Godwit
	Spruce Grouse	Rusty Blackbird	Dunlin
	American Woodcock		Short-billed Dowitcher
	Black-billed Cuckoo		Yellow-billed Cuckoo
	Whip-poor-will		Red-headed Woodpecker
	Black-backed Woodpecker		Willow Flycatcher
	Olive-sided Flycatcher		Loggerhead Shrike
	Least Flycatcher		Louisiana Waterthrush
	Boreal Chickadee		Dickcissel
	Veery		Field Sparrow
	Wood Thrush		Vesper Sparrow
	Golden-winged Warbler		Grasshopper Sparrow
	Black-throated Blue Warbler		Henslow's Sparrow
	Canada Warbler		Eastern Meadowlark
	Red Crossbill		Western Meadowlark
Herptiles	Wood Turtle	Mudpuppy	Blanding's Turtle
	Boreal Chorus Frog	Pickereel Frog	
	Four-toed Salamander		
	Mink Frog		
Fishes	Lake Sturgeon	Greater Redhorse	Least Darter
	Gilt Darter		Banded Killifish
	Longear Sunfish		Pugnose Shiner
			Kiyi
			Shortjaw Cisco
			Redside Dace

Table 3-11. Vertebrate Species of Greatest Conservation Need occurring in the Northern Highland

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Gray Wolf	Moose	Silver-haired Bat
	Northern Flying Squirrel	Eastern Red Bat	Hoary Bat
	Water Shrew		American Marten
	Woodland Jumping Mouse		Northern Long-eared Bat
Birds	Lesser Scaup	American Bittern	Horned Grebe
	Osprey	Blue-winged Teal	Trumpeter Swan
	Bald Eagle	Canvasback	American Black Duck
	Northern Goshawk	Northern Harrier	Red-shouldered Hawk
	Spruce Grouse	Yellow Rail	Upland Sandpiper
	American Golden Plover	Solitary Sandpiper	Whimbrel
	Short-billed Dowitcher	Dunlin	Hudsonian Godwit
	American Woodcock	Buff-breasted Sandpiper	Marbled Godwit
	Black Tern	Wood Thrush	Black-billed Cuckoo
	Whip-poor-will	Field Sparrow	Yellow-billed Cuckoo
	Black-backed Woodpecker	Nelson's Sharp-tailed Sparrow	Red-headed Woodpecker
	Olive-sided Flycatcher	Rusty Blackbird	Willow Flycatcher
	Least Flycatcher		Kirtland's Warbler
	Boreal Chickadee		Grasshopper Sparrow
	Veery		Henslow's Sparrow
	Brown Thrasher		Bobolink
	Golden-winged Warbler		Eastern Meadowlark
	Black-throated Blue Warbler		Western Meadowlark
	Connecticut Warbler		
	Canada Warbler		
	Vesper Sparrow		
	Red Crossbill		
Herptiles	Wood Turtle	Mudpuppy	Boreal Chorus Frog
	Four-toed Salamander		
	Mink Frog		
Fishes	Longear Sunfish	Lake Sturgeon	Banded Killifish
	Greater Redhorse	Least Darter	
	Pugnose Shiner		

Table 3-12 Vertebrate Species of Greatest Conservation Need occurring in the Forest Transition

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Eastern Red Bat	Gray Wolf	American Marten
		Northern Flying Squirrel	Prairie Vole
		Water Shrew	
		Woodland Jumping Mouse	
		Silver-haired Bat	
		Hoary Bat	
		Northern Long-eared Bat	
		Franklin's Ground Squirrel	
		Woodland Vole	
Birds	American Bittern	Canvasback	Horned Grebe
	Trumpeter Swan	Northern Goshawk	Whimbrel
	Blue-winged Teal	Yellow Rail	Marbled Godwit
	Lesser Scaup	Solitary Sandpiper	Barn Owl
	Osprey	Upland Sandpiper	Short-eared Owl
	Bald Eagle	Hudsonian Godwit	Black-backed Woodpecker
	Northern Harrier	Dunlin	Olive-sided Flycatcher
	Red-shouldered Hawk	Buff-breasted Sandpiper	Willow Flycatcher
	Greater Prairie-Chicken	Yellow-billed Cuckoo	Loggerhead Shrike
	American Golden Plover	Acadian Flycatcher	Red Crossbill
	Short-billed Dowitcher	Blue-winged Warbler	
	American Woodcock	Cerulean Warbler	
	Black Tern	Louisiana Waterthrush	
	Black-billed Cuckoo	Hooded Warbler	
	Whip-poor-will	Canada Warbler	
	Red-headed Woodpecker	Dickcissel	
	Least Flycatcher	Grasshopper Sparrow	
	Veery	Henslow's Sparrow	
	Wood Thrush	Le Conte's Sparrow	
	Brown Thrasher	Western Meadowlark	
	Golden-winged Warbler	Rusty Blackbird	
	Black-throated Blue Warbler		
	Field Sparrow		
	Vesper Sparrow		
	Bobolink		
	Eastern Meadowlark		
Herptiles	Wood Turtle	Mudpuppy	Mink Frog
	Four-toed Salamander	Pickerel Frog	Blanding's Turtle
		Northern Prairie Skink	
Fishes	Redfin Shiner	Redside Dace	Lake Sturgeon
	Black Redhorse		Least Darter
	Ozark Minnow		River Redhorse
			Lake Chubsucker

Table 3-13. Vertebrate Species of Greatest Conservation Need occurring in the Northeast Sands

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Northern Flying Squirrel	Gray Wolf	Eastern Red Bat
	Water Shrew	Woodland Jumping Mouse	Silver-haired Bat
			Hoary Bat
			Northern Long-eared Bat
Birds			Moose
	Osprey	American Bittern	Horned Grebe
	Bald Eagle	Northern Harrier	Trumpeter Swan
	American Woodcock	Northern Goshawk	Blue-winged Teal
	Black-billed Cuckoo	Red-shouldered Hawk	Canvasback
	Whip-poor-will	Sharp-tailed Grouse	Lesser Scaup
	Red-headed Woodpecker	Solitary Sandpiper	Spruce Grouse
	Least Flycatcher	Upland Sandpiper	American Golden Plover
	Veery	Canada Warbler	Whimbrel
	Wood Thrush	Lark Sparrow	Hudsonian Godwit
	Brown Thrasher	Rusty Blackbird	Marbled Godwit
	Golden-winged Warbler		Dunlin
	Field Sparrow		Short-billed Dowitcher
	Vesper Sparrow		Black Tern
	Grasshopper Sparrow		Yellow-billed Cuckoo
	Bobolink		Black-backed Woodpecker
	Red Crossbill		Olive-sided Flycatcher
			Willow Flycatcher
			Boreal Chickadee
			Loggerhead Shrike
			Blue-winged Warbler
			Black-throated Blue Warbler
			Kirtland's Warbler
			Dickcissel
			Henslow's Sparrow
			Eastern Meadowlark
			Western Meadowlark
Herptiles	Wood Turtle	Four-toed Salamander	Northern Ribbon Snake
	Mudpuppy	Pickerel Frog	
	Mink Frog	Blanding's Turtle	
Fishes	Lake Sturgeon		Greater Redhorse
			Western Sand Darter

Table 3-14. Vertebrate Species of Greatest Conservation Need occurring in the Northern Lake Michigan Coastal

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Northern Flying Squirrel	Gray Wolf	Woodland Vole
	Water Shrew	Woodland Jumping Mouse	
		Eastern Red Bat	
		Silver-haired Bat	
		Hoary Bat	
		Northern Long-eared Bat	
Birds	Horned Grebe	American Bittern	Trumpeter Swan
	Great Egret	Snowy Egret	American Black Duck
	Blue-winged Teal	Yellow Rail	Redhead
	Canvasback	Piping Plover	Louisiana Waterthrush
	Lesser Scaup	Solitary Sandpiper	
	Osprey	Marbled Godwit	
	Bald Eagle	Buff-breasted Sandpiper	
	Northern Harrier	Yellow-billed Cuckoo	
	Northern Goshawk	Loggerhead Shrike	
	Red-shouldered Hawk	Blue-winged Warbler	
	Peregrine Falcon	Golden-winged Warbler	
	American Golden Plover	Dickcissel	
	Upland Sandpiper	Grasshopper Sparrow	
	Whimbrel	Henslow's Sparrow	
	Hudsonian Godwit	Western Meadowlark	
	Dunlin	Rusty Blackbird	
	Short-billed Dowitcher		
	American Woodcock		
	Caspian Tern		
	Common Tern		
	Forster's Tern		
	Black Tern		
	Black-billed Cuckoo		
	Whip-poor-will		
	Red-headed Woodpecker		
	Olive-sided Flycatcher		
	Willow Flycatcher		
	Least Flycatcher		
	Veery		
	Wood Thrush		
	Brown Thrasher		
	Black-throated Blue Warbler		
	Canada Warbler		
	Field Sparrow		
	Vesper Sparrow		
	Bobolink		
	Eastern Meadowlark		

Table 3-14 *continued*

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Herptiles	Wood Turtle	Four-toed Salamander	Northern Ribbon Snake
	Mudpuppy	Pickerel Frog	
	Mink Frog	Blanding's Turtle	
Fishes	Lake Sturgeon	Greater Redhorse	American Eel
	Shoal Chub (Speckled Chub)	Western Sand Darter	Skipjack Herring
	Banded Killifish	Redfin Shiner	
		Longear Sunfish	
		Pugnose Shiner	

Table 3-15. Vertebrate Species of Greatest Conservation Need occurring in the Central Lake Michigan Coastal

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals		Eastern Red Bat	Northern Flying Squirrel
		Silver-haired Bat	Water Shrew
		Hoary Bat	Woodland Jumping Mouse
		Northern Long-eared Bat	Woodland Vole
			Prairie Vole
Birds	Horned Grebe	American Bittern	Trumpeter Swan
	Great Egret	Snowy Egret	Redhead
	Blue-winged Teal	Yellow-crowned Night-Heron	Red-shouldered Hawk
	Lesser Scaup	Canvasback	Red Crossbill
	Osprey	Bald Eagle	
	Northern Harrier	King Rail	
	Peregrine Falcon	American Golden Plover	
	Upland Sandpiper	Piping Plover	
	Whimbrel	Solitary Sandpiper	
	Hudsonian Godwit	Marbled Godwit	
	Dunlin	Buff-breasted Sandpiper	
	Short-billed Dowitcher	Wilson's Phalarope	
	American Woodcock	Caspian Tern	
	Common Tern	Yellow-billed Cuckoo	
	Forster's Tern	Short-eared Owl	
	Black Tern	Whip-poor-will	
	Black-billed Cuckoo	Acadian Flycatcher	
	Red-headed Woodpecker	Loggerhead Shrike	
	Willow Flycatcher	Blue-winged Warbler	
	Least Flycatcher	Golden-winged Warbler	
	Veery	Black-throated Blue Warbler	
	Wood Thrush	Hooded Warbler	
	Brown Thrasher	Canada Warbler	
	Cerulean Warbler	Grasshopper Sparrow	
	Prothonotary Warbler	Henslow's Sparrow	
	Dickcissel	Western Meadowlark	
	Field Sparrow	Rusty Blackbird	
	Vesper Sparrow		
	Bobolink		
	Eastern Meadowlark		
Herptiles	Mudpuppy	Wood Turtle	Blanchard's Cricket Frog
	Four-toed Salamander	Pickrel Frog	Queen Snake
	Northern Ribbon Snake	Blanding's Turtle	
		Butler's Garter Snake	
Fishes	Lake Sturgeon	Banded Killifish	American Eel
		Greater Redhorse	Skipjack Herring
		Western Sand Darter	Least Darter
		Redside Dace	Lake Chubsucker
		Shoal Chub (Speckled Chub)	
		River Redhorse	

Table 3-16. Vertebrate Species of Greatest Conservation Need occurring in the Western Prairie

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals		Prairie Vole	Eastern Red Bat
		Franklin's Ground Squirrel	Silver-haired Bat
		White-tailed Jackrabbit	Hoary Bat
			Northern Long-eared Bat
			Water Shrew
			Woodland Vole
			Gray Wolf
Birds	Trumpeter Swan	Red-necked Grebe	Horned Grebe
	Blue-winged Teal	American Bittern	Osprey
	Northern Harrier	Great Egret	Bald Eagle
	Marbled Godwit	Canvasback	Red-shouldered Hawk
	Short-billed Dowitcher	Lesser Scaup	Whooping Crane
	Red-headed Woodpecker	King Rail	Whimbrel
	Willow Flycatcher	American Golden Plover	Black-billed Cuckoo
	Least Flycatcher	Solitary Sandpiper	Yellow-billed Cuckoo
	Wood Thrush	Upland Sandpiper	Barn Owl
	Brown Thrasher	Hudsonian Godwit	Whip-poor-will
	Loggerhead Shrike	Dunlin	Acadian Flycatcher
	Blue-winged Warbler	Buff-breasted Sandpiper	Bell's Vireo
	Prothonotary Warbler	American Woodcock	Golden-winged Warbler
	Dickcissel	Black Tern	Black-throated Blue Warbler
	Field Sparrow	Short-eared Owl	Hooded Warbler
	Vesper Sparrow	Veery	Canada Warbler
	Grasshopper Sparrow	Cerulean Warbler	
	Henslow's Sparrow	Louisiana Waterthrush	
	Bobolink	Le Conte's Sparrow	
	Eastern Meadowlark	Rusty Blackbird	
	Western Meadowlark		
Herptiles	Wood Turtle	Mudpuppy	Four-toed Salamander
	Blanding's Turtle	Pickerel Frog	Bullsnake
	Northern Prairie Skink	Yellow-bellied Racer	
	Six-lined Racerunner		
	Timber Rattlesnake		
Fishes	Crystal Darter	Lake Sturgeon	American Eel
		Greater Redhorse	Goldeye
		Western Sand Darter	Black Buffalo
		River Redhorse	Paddlefish
		Blue Sucker	

Table 3-17. Vertebrate Species of Greatest Conservation Need occurring in the Western Coulee and Ridges

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Northern Long-eared Bat	Prairie Vole	White-tailed Jackrabbit
		Franklin's Ground Squirrel	Water Shrew
		Eastern Red Bat	Gray Wolf
		Silver-haired Bat	
		Hoary Bat	
		Woodland Vole	
Birds	Great Egret	Osprey	Horned Grebe
	Yellow-crowned Night-Heron	King Rail	American Bittern
	Blue-winged Teal	Whooping Crane	Trumpeter Swan
	Canvasback	American Golden Plover	Redhead
	Lesser Scaup	Solitary Sandpiper	Whimbrel
	Bald Eagle	Upland Sandpiper	Hudsonian Godwit
	Northern Harrier	Buff-breasted Sandpiper	Marbled Godwit
	Red-shouldered Hawk	Black Tern	Dunlin
	Peregrine Falcon	Short-eared Owl	Forster's Tern
	Northern Bobwhite	Yellow-throated Warbler	Barn Owl
	Short-billed Dowitcher		Loggerhead Shrike
	American Woodcock		Golden-winged Warbler
	Black-billed Cuckoo		Black-throated Blue Warbler
	Yellow-billed Cuckoo		Canada Warbler
	Whip-poor-will		Le Conte's Sparrow
	Red-headed Woodpecker		Red Crossbill
	Acadian Flycatcher		
	Willow Flycatcher		
	Least Flycatcher		
	Veery		
	Wood Thrush		
	Brown Thrasher		
	Bell's Vireo		
	Blue-winged Warbler		
	Cerulean Warbler		
	Prothonotary Warbler		
	Worm-eating Warbler		
	Louisiana Waterthrush		
	Kentucky Warbler		
	Hooded Warbler		
	Dickcissel		
	Field Sparrow		
	Vesper Sparrow		
	Lark Sparrow		
	Grasshopper Sparrow		
	Henslow's Sparrow		
	Bobolink		
	Eastern Meadowlark		
	Western Meadowlark		
	Rusty Blackbird		

Table 3-17 *continued*

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Herptiles	Wood Turtle	Pickere! Frog	Four-toed Salamander
	Blanding's Turtle	Yellow-bellied Racer	Bullsnake
	Northern Prairie Skink		
	Six-lined Racerunner		
	Timber Rattlesnake		
Fishes	Crystal Darter	Gilt Darter	American Eel
	Lake Sturgeon		Skipjack Herring
	Western Sand Darter		Least Darter
	River Redhorse		Lake Chubsucker
	Blue Sucker		Redfin Shiner
	Goldeye		
	Black Buffalo		
	Paddlefish		
	Redside Dace		
	Ozark Minnow		
	Bluntnose Darter		
	Starhead Topminnow		
	Shoal Chub (Speckled Chub)		
	Pallid Shiner		

Table 3-18. Vertebrate Species of Greatest Conservation Need occurring in the Southwest Savanna

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals		Franklin's Ground Squirrel	Silver-haired Bat
		Northern Long-eared Bat	Hoary Bat
		Prairie Vole	Water Shrew
		Eastern Red Bat	White-tailed Jackrabbit
		Woodland Vole	
Birds	Northern Bobwhite	Blue-winged Teal	Horned Grebe
	Upland Sandpiper	Northern Harrier	Canvasback
	Short-eared Owl	American Golden Plover	Lesser Scaup
	Red-headed Woodpecker	Solitary Sandpiper	Bald Eagle
	Willow Flycatcher	Buff-breasted Sandpiper	Red-shouldered Hawk
	Brown Thrasher	Black-billed Cuckoo	Whimbrel
	Bell's Vireo	Yellow-billed Cuckoo	Hudsonian Godwit
	Dickcissel	Wood Thrush	Marbled Godwit
	Field Sparrow	Loggerhead Shrike	Dunlin
	Vesper Sparrow	Blue-winged Warbler	Short-billed Dowitcher
	Grasshopper Sparrow	Rusty Blackbird	American Woodcock
	Henslow's Sparrow		Barn Owl
	Bobolink		Whip-poor-will
	Eastern Meadowlark		Acadian Flycatcher
	Western Meadowlark		Least Flycatcher
			Black-throated Blue Warbler
Herptiles	Blanding's Turtle	Bullsnake	Mudpuppy
	Ornate Box Turtle	Timber Rattlesnake	Black Rat Snake
	Pickerel Frog		
	Yellow-bellied Racer		
	Prairie Ringneck Snake		
	Blanchard's Cricket Frog		
Fishes	Slender Madtom	Ozark Minnow	Black Buffalo
		Gravel Chub	Redside Dace

Table 3-19. Vertebrate Species of Greatest Conservation Need occurring in the Central Sand Plains

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Franklin's Ground Squirrel	Northern Long-eared Bat	Woodland Vole
	Gray Wolf	Prairie Vole	Northern Flying Squirrel
		Eastern Red Bat	Woodland Jumping Mouse
		Silver-haired Bat	
		Hoary Bat	
		White-tailed Jackrabbit	
		Water Shrew	
Birds	American Bittern	Red-necked Grebe	Horned Grebe
	Trumpeter Swan	Canvasback	Northern Bobwhite
	Blue-winged Teal	Northern Goshawk	Whimbrel
	Lesser Scaup	Sharp-tailed Grouse	Marbled Godwit
	Osprey	Yellow Rail	Barn Owl
	Bald Eagle	King Rail	Black-backed Woodpecker
	Northern Harrier	American Golden Plover	Olive-sided Flycatcher
	Red-shouldered Hawk	Solitary Sandpiper	Acadian Flycatcher
	Greater Prairie-Chicken	Hudsonian Godwit	Loggerhead Shrike
	Whooping Crane	Dunlin	Black-throated Blue Warbler
	Upland Sandpiper	Wilson's Phalarope	Kirtland's Warbler
	Short-billed Dowitcher	Cerulean Warbler	
	American Woodcock	Louisiana Waterthrush	
	Black Tern	Connecticut Warbler	
	Black-billed Cuckoo	Canada Warbler	
	Yellow-billed Cuckoo	Lark Sparrow	
	Short-eared Owl	Le Conte's Sparrow	
	Whip-poor-will	Rusty Blackbird	
	Red-headed Woodpecker	Red Crossbill	
	Willow Flycatcher		
	Least Flycatcher		
	Veery		
	Wood Thrush		
	Brown Thrasher		
	Blue-winged Warbler		
	Golden-winged Warbler		
	Prothonotary Warbler		
	Dickcissel		
	Field Sparrow		
	Vesper Sparrow		
	Grasshopper Sparrow		
	Henslow's Sparrow		
	Bobolink		
	Eastern Meadowlark		
	Western Meadowlark		

Table 3-19 *continued*

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Herptiles	Wood Turtle	Pickere! Frog	Ornate Box Turtle
	Blanding's Turtle	Yellow-bellied Racer	Western Ribbon Snake
	Western Slender Glass Lizard	Four-toed Salamander	
	Mudpuppy	Bullsnake	
		Midland Smooth Softshell Turtle	
		Prairie Ringneck Snake	
		Eastern Massasauga Rattlesnake	
Fishes	Lake Sturgeon	Western Sand Darter	Redside Dace
		River Redhorse	Redfin Shiner

Table 3-20. Vertebrate Species of Greatest Conservation Need occurring in the Central Sand Hills

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Franklin's Ground Squirrel	Gray Wolf	Woodland Vole
		Northern Long-eared Bat	Northern Flying Squirrel
		Prairie Vole	Woodland Jumping Mouse
		Eastern Red Bat	
		Silver-haired Bat	
		Hoary Bat	
		Water Shrew	
Birds	American Bittern	Osprey	Horned Grebe
	Blue-winged Teal	Northern Goshawk	Trumpeter Swan
	Bald Eagle	Yellow Rail	Canvasback
	Northern Harrier	American Golden Plover	Lesser Scaup
	Red-shouldered Hawk	Solitary Sandpiper	Greater Prairie-Chicken
	Northern Bobwhite	Upland Sandpiper	Whimbrel
	Whooping Crane	Hudsonian Godwit	Marbled Godwit
	Short-billed Dowitcher	Dunlin	Buff-breasted Sandpiper
	American Woodcock	Short-eared Owl	Barn Owl
	Forster's Tern	Golden-winged Warbler	Loggerhead Shrike
	Black Tern	Lark Sparrow	Black-throated Blue Warbler
	Black-billed Cuckoo	Le Conte's Sparrow	Prothonotary Warbler
	Yellow-billed Cuckoo	Rusty Blackbird	Canada Warbler
	Whip-poor-will	Red Crossbill	
	Red-headed Woodpecker		
	Acadian Flycatcher		
	Willow Flycatcher		
	Least Flycatcher		
	Veery		
	Wood Thrush		
	Brown Thrasher		
	Blue-winged Warbler		
	Cerulean Warbler		
	Dickcissel		
	Field Sparrow		
	Vesper Sparrow		
	Grasshopper Sparrow		
	Henslow's Sparrow		
	Bobolink		
	Eastern Meadowlark		
	Western Meadowlark		
Herptiles	Blanding's Turtle	Pickerel Frog	Wood Turtle
	Western Slender Glass Lizard	Yellow-bellied Racer	Mudpuppy
	Midland Smooth Softshell Turtle	Four-toed Salamander	Eastern Massasauga Rattlesnake
	Ornate Box Turtle	Bullsnake	
Fishes	Lake Sturgeon	Banded Killifish	River Redhorse
	Western Sand Darter		Redfin Shiner
	Black Buffalo		Greater Redhorse
	Paddlefish		Pugnose Shiner
	Shoal Chub (Speckled Chub)		
	Least Darter		

Table 3-21. Vertebrate Species of Greatest Conservation Need occurring in the Southeast Glacial Plain

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Franklin's Ground Squirrel	Northern Long-eared Bat	Water Shrew
		Prairie Vole	
		Eastern Red Bat	
		Woodland Vole	
		Silver-haired Bat	
		Hoary Bat	
Birds	Red-necked Grebe	Snowy Egret	Horned Grebe
	American Bittern	Yellow-crowned Night-Heron	Trumpeter Swan
	Blue-winged Teal	Red-shouldered Hawk	American Black Duck
	Canvasback	Northern Bobwhite	Osprey
	Redhead	Solitary Sandpiper	Bald Eagle
	Lesser Scaup	Upland Sandpiper	Barn Owl
	Northern Harrier	Whimbrel	Black-throated Blue Warbler
	King Rail	Marbled Godwit	Kentucky Warbler
	Whooping Crane	Wilson's Phalarope	Canada Warbler
	American Golden Plover	Whip-poor-will	Red Crossbill
	Hudsonian Godwit	Veery	
	Dunlin	Loggerhead Shrike	
	Buff-breasted Sandpiper	Bell's Vireo	
	Short-billed Dowitcher	Golden-winged Warbler	
	American Woodcock	Yellow-throated Warbler	
	Common Tern	Lark Sparrow	
	Forster's Tern		
	Black Tern		
	Black-billed Cuckoo		
	Yellow-billed Cuckoo		
	Short-eared Owl		
	Red-headed Woodpecker		
	Acadian Flycatcher		
	Willow Flycatcher		
	Least Flycatcher		
	Wood Thrush		
	Brown Thrasher		
	Blue-winged Warbler		
	Cerulean Warbler		
	Prothonotary Warbler		
	Louisiana Waterthrush		
	Hooded Warbler		
	Dickcissel		
	Field Sparrow		
	Vesper Sparrow		
	Grasshopper Sparrow		
	Henslow's Sparrow		
	Bobolink		
	Eastern Meadowlark		
	Western Meadowlark		
	Rusty Blackbird		

Table 3-21 *continued*

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Herptiles	Blanding's Turtle	Yellow-bellied Racer	Blanchard's Cricket Frog
	Ornate Box Turtle	Mudpuppy	Western Ribbon Snake
	Pickerel Frog		
	Four-toed Salamander		
	Eastern Massasauga Rattlesnake		
	Northern Ribbon Snake		
	Butler's Garter Snake		
	Queen Snake		
Fishes	Slender Madtom	Black Buffalo	American Eel
	Ozark Minnow	Western Sand Darter	
	Gravel Chub	Banded Killifish	
	Redside Dace	Pugnose Shiner	
	Lake Sturgeon		
	Least Darter		
	River Redhorse		
	Redfin Shiner		
	Greater Redhorse		
	Starhead Topminnow		
	Lake Chubsucker		
	Longear Sunfish		

Table 3-22. Vertebrate Species of Greatest Conservation Need occurring in the Southern Lake Michigan Coastal

	Species with a high degree of probability of occurring in this Ecological Landscape	Species with a moderate degree of probability of occurring in this Ecological Landscape	Species with a low degree of probability of occurring in this Ecological Landscape
Mammals	Franklin's Ground Squirrel	Prairie Vole	Northern Long-eared Bat
			Eastern Red Bat
			Woodland Vole
			Silver-haired Bat
			Hoary Bat
			Water Shrew
Birds	Horned Grebe	American Bittern	Canvasback
	Lesser Scaup	Yellow-crowned Night-Heron	Osprey
	Peregrine Falcon	Blue-winged Teal	Bald Eagle
	Whimbrel	Northern Harrier	Red-shouldered Hawk
	Dunlin	King Rail	American Golden Plover
	Buff-breasted Sandpiper	Piping Plover	Upland Sandpiper
	Short-billed Dowitcher	Solitary Sandpiper	Caspian Tern
	Forster's Tern	Hudsonian Godwit	Barn Owl
	Black Tern	Marbled Godwit	Acadian Flycatcher
	Willow Flycatcher	American Woodcock	Least Flycatcher
	Wood Thrush	Black-billed Cuckoo	Veery
	Brown Thrasher	Yellow-billed Cuckoo	Loggerhead Shrike
	Dickcissel	Short-eared Owl	Black-throated Blue Warbler
	Field Sparrow	Red-headed Woodpecker	Canada Warbler
	Vesper Sparrow	Bell's Vireo	Western Meadowlark
	Henslow's Sparrow	Blue-winged Warbler	
	Bobolink	Grasshopper Sparrow	
	Eastern Meadowlark	Rusty Blackbird	
Herptiles	Blanding's Turtle	Eastern Massasauga Rattlesnake	Pickereel Frog
	Butler's Garter Snake	Queen Snake	Four-toed Salamander
	Mudpuppy		
Fishes	Striped Shiner	Lake Sturgeon	Least Darter
		Greater Redhorse	Redfin Shiner
			Lake Chubsucker
			Longear Sunfish
			Banded Killifish
			American Eel